

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L1 | 14 | 09/050416 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/30 16:40 |
| L2 | 3 | ("5308682" "6020616" "6255697").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/30 16:46 |
| L3 | 3 | ("3863331" "4423127" "4916514").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/30 16:47 |
| L4 | 55 | ("5308682").URPN. | USPAT | OR | ON | 2006/08/30 16:48 |
| L5 | 12 | ("5032890" "5308682" "5404045" "5441915" "5534728" "5589706" "5894168" "6020616" "6069067" "6384464" "6396158" "6399897").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/30 16:49 |
| L6 | 1 | ("6603162").URPN. | USPAT | OR | ON | 2006/08/30 16:52 |
| L7 | 4 | ("5292689" "5621241" "5892277" "5929528").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/30 16:53 |
| L8 | 6 | ("6433438").URPN. | USPAT | OR | ON | 2006/08/30 16:54 |
| L9 | 0 | "20040197951" | USPAT | OR | ON | 2006/08/30 16:54 |
| L10 | 2 | "20040197951" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/30 16:54 |
| S1 | 13 | ("20020031851" "20020048302" "20040070003" "20040113155" "4467400" "5466892" "6255198" "6275407" "6388200" "6476330" "6606237" "6622373" "6706576").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 18:55 |
| S2 | 3 | "6275407" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/08/24 18:07 |
| S3 | 1 | ("5400292").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 18:50 |
| S4 | 2 | ("6275407").URPN. | USPAT | OR | ON | 2005/12/08 18:50 |
| S5 | 5 | ("6476330") or ("6388200") or ("6606237") or ("5466892") or ("4467400").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/08 18:51 |
| S7 | 35 | burton-edward-a.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 18:55 |
| S8 | 3 | anshumali-kumar.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 18:55 |
| S9 | 30 | (S7 S8) and (wir\$4 or pattern\$4 or line) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 18:56 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|----|------------------|
| S10 | 24 | S9 and (signal with (wir\$4 or pattern\$4 or line)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 18:56 |
| S11 | 4 | S10 and ((power or ground) with (wir\$4 or pattern\$4 or line)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 18:57 |
| S12 | 7042 | ((data or signal) with (line or wire or pattern or plate or layer)) and ((power and ground) with (line or wire or pattern or plate or layer)) and (semiconductor adj device) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 19:01 |
| S13 | 2527 | S12 and ((second or upper) adj2 (plate or layer or pattern)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 19:02 |
| S14 | 1736 | S13 and parallel\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 19:06 |
| S15 | 924 | S14 and (metal\$4 near2 layer) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 19:07 |
| S16 | 618 | S15 and (interconnect\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 19:07 |
| S17 | 11 | S15 and (interconnect\$4 near2 stack) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/08 19:07 |
| S18 | 1 | "20030173667" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/09 12:13 |
| S19 | 3 | ("2003/0173667").URPN. | USPAT | OR | ON | 2005/12/09 12:15 |
| S22 | 2358 | (metal\$4 near4 interconnect\$4 near3 (wire or pattern or layer)) and (ground and (signal or data) and power) and semiconductor | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/09 12:18 |
| S23 | 2157 | S22 and (@ad<"20030627" or @rlad<"20030627") | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/09 12:18 |
| S24 | 297 | S23 and (set near3 (wire or pattern or layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/09 12:19 |
| S25 | 231 | S24 and parallel | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/09 12:19 |

EAST Search History

| | | | | | | |
|-----|-------|---|---|----|----|------------------|
| S26 | 53 | S25 and (second adj2 set) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/09 12:19 |
| S27 | 7 | ("20020011610" "4295149" "5459093" "5751031" "6184122" "6314011" "6445065").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/09 12:25 |
| S28 | 1 | ("2002/0011610").URPN. | USPAT | OR | ON | 2005/12/09 12:26 |
| S29 | 4 | ("5287322" "5563820" "5808930" "5936875").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/09 12:30 |
| S30 | 3 | ("6084820").URPN. | USPAT | OR | ON | 2005/12/09 12:31 |
| S31 | 123 | (S25 not S26) and (isolat\$4 or separat\$4) | USPAT | OR | ON | 2005/12/09 12:32 |
| S32 | 42 | ("20020010691" "20020056070" "20020075383" "20030065535" "20030236760" "20040049751" "4300196" "4839823" "5276632" "5452224" "5642296" "5689621" "5808919" "5822218" "5901063" "5903469" "6018623" "6038338" "6038383" "6061508" "6128768" "6182269" "6189131" "6209123" "6212492" "6243653" "6304836" "6304837" "6327556" "6381555" "6414498" "6430729" "6446027" "6526549" "6543035" "6549854" "6581195" "6581198" "6584456" "6587997" "6687887" "6735748").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 14:51 |
| S33 | 8 | ("4105958" "5301118" "5305229" "5365463" "5379232" "5610833" "5761080" "5828580").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 14:54 |
| S34 | 8 | ("4105958" "5301118" "5305229" "5365463" "5379232" "5610833" "5761080" "5828580").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 14:56 |
| S35 | 24 | ("6018623").URPN. | USPAT | OR | ON | 2006/01/23 14:56 |
| S36 | 13 | ("5663797" "5878053" "5896300" "5903886" "6018623" "6124143" "6185706" "6189131" "6219631" "6280290" "6286126" "6488568" "6603323").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 14:57 |
| S37 | 5 | ("6018623" "6265746" "6327394" "6381730" "6516456").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 15:01 |
| S38 | 3 | ("6587991").URPN. | USPAT | OR | ON | 2006/01/23 15:01 |
| S39 | 15 | ("5929469" "6182271" "6242767" "6308307" "6397375" "6519750" "6532580" "6536028" "6542834" "6546534" "6564355" "6587991" "6601227" "6611943" "6629309").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 15:04 |
| S40 | 15 | ("5929469" "6182271" "6242767" "6308307" "6397375" "6519750" "6532580" "6536028" "6542834" "6546534" "6564355" "6587991" "6601227" "6611943" "6629309").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 15:11 |
| S41 | 1 | "20040214379" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 15:16 |
| S42 | 49 | "4931946" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 15:16 |
| S43 | 16305 | (second with set with (wir\$3 or layer or pattern\$3)) and semiconductor | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 16:17 |

EAST Search History

| | | | | | | |
|-----|-------|---|---|----|----|------------------|
| S44 | 10541 | S43 and (data or signal) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 16:16 |
| S45 | 2617 | S44 and power and ground | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 16:17 |
| S46 | 127 | S45 and ((second with set with (wir\$3 or layer) with pattern)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 16:17 |
| S47 | 104 | S46 and (@ad<"20030627" or @rlad<"20030627") | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 16:32 |
| S48 | 16 | ("20020047727" "20030201798" "4910417" "5055718" "5243208" "5646558" "5684412" "5898636" "5920089" "5955912" "6014038" "6020772" "6278148" "6356118" "6396087" "6674307").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 16:49 |
| S49 | 172 | S45 and (second near3 set near3 wir\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/23 16:32 |
| S50 | 146 | (S49 not S46) and (@ad<"20030627" or @rlad<"20030627") | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 17:09 |
| S51 | 1026 | (second with set with ((intermetal\$3 or intercon\$3t or interlayer) or (inter adj (metal\$3 or con\$3t or layer)))) and semiconductor | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 17:08 |
| S52 | 856 | (S51 not (S46 S50)) and (@ad<"20030627" or @rlad<"20030627") | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 17:09 |
| S53 | 195 | S52 and (signal or data) and power and ground | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/01/23 17:10 |
| S54 | 2 | "6823499" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:24 |
| S55 | 15 | ("5929469" "6182271" "6242767" "6308307" "6397375" "6519750" "6532580" "6536028" "6542834" "6546534" "6564355" "6587991" "6601227" "6611943" "6629309").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/04 15:40 |
| S56 | 5 | ("6018623" "6265746" "6327394" "6381730" "6516456").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/04 15:28 |
| S57 | 3 | ("6587991").URPN. | USPAT | OR | ON | 2006/04/04 15:29 |
| S58 | 1 | ("6823499").URPN. | USPAT | OR | ON | 2006/04/04 15:29 |
| S59 | 5740 | 257/486,508,758,e21.021,e21.199,e21.202.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:39 |

EAST Search History

| | | | | | | |
|-----|-------|--|---|----|----|------------------|
| S60 | 10390 | "716"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:40 |
| S61 | 420 | H01L23/48.ipc. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:41 |
| S62 | 5723 | (S59 S60 S61) and ((metal\$4 or signal\$3 or data) near3 (wir\$3 or pattern\$3 or conduct\$3 or rod)) and (semiconductor or silicon) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:05 |
| S63 | 4999 | S62 and (@ad<"20030627" or @rlad<"20030627") | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:05 |
| S64 | 2513 | S63 and ((signal or data or metal) with wir\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:09 |
| S65 | 1814 | S64 and set | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:45 |
| S67 | 334 | S65 and ((upper or lower or top or bottom or second or another) near2 set) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 16:43 |
| S68 | 295 | S67 and ((signal or metal) with wir\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:48 |
| S69 | 168 | S67 and ((signal) with wir\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:48 |
| S72 | 197 | S67 and ((upper or lower or top or bottom or second or another) near2 (layer or pattern)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:49 |
| S73 | 194 | S72 and (interconnect\$3 or connect\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:50 |
| S74 | 126 | S73 and parallel | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 15:50 |
| S75 | 120 | S74 and (distribut\$3 or config\$3 or configurat\$3 or arrang\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 16:14 |

EAST Search History

| | | | | | | |
|-----|-------|--|---|----|----|------------------|
| S76 | 74 | S73 not S75 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 16:14 |
| S79 | 8931 | ((metal\$4 or signal\$3 or data) near3 (wir\$3 or pattern\$3 or conduct\$3 or rod)) and (semiconductor or silicon).clm. | US-PGPUB | OR | ON | 2006/04/04 16:43 |
| S80 | 1683 | S79 and ((upper or lower or top or bottom or second or another) near2 (set or pattern\$3)).clm. | US-PGPUB | OR | ON | 2006/04/04 17:08 |
| S81 | 356 | S80 and ((signal or metal\$3) with wir\$3).clm. | US-PGPUB | OR | ON | 2006/04/04 17:08 |
| S82 | 43 | S81 and (parallel\$3 and (interconnect\$3 or connect\$3)).clm. | US-PGPUB | OR | ON | 2006/04/04 17:12 |
| S84 | 0 | (S81 not S82) and parallel.clm. | USPAT | OR | ON | 2006/04/04 16:58 |
| S86 | 48887 | ((metal\$4 or signal\$3 or data) near3 (wir\$3 or pattern\$3)) and (semiconductor or silicon) and (@ad<"20030627" or @rlad<"20030627") and parallel\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:07 |
| S87 | 48728 | S86 not (S54 S55 S56 S57 S58 S73 S82) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:09 |
| S89 | 15594 | S87 and ((upper or lower or top or bottom or second or another) near2 (set or pattern\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:09 |
| S90 | 7461 | S89 and ((signal or data or metal) with wir\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:10 |
| S92 | 3372 | S90 and (ground and ((suppl\$4 near2 voltage) or power)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:11 |
| S93 | 2201 | S92 and (interconnect\$3 or ((inter\$3 or local\$3) with connect\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:14 |
| S94 | 325 | S93 and (set with (signal\$3 near2 (wir\$4 or line\$3))) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:16 |
| S95 | 201 | S94 and (wir\$4 or line\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:33 |
| S97 | 74 | S94 and (signal with (wir\$4 or line\$3)).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:17 |
| S98 | 143 | S94 and (signal with (wir\$4 or line\$3)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:17 |

EAST Search History

| | | | | | | |
|------|------|---|---|----|----|------------------|
| S99 | 6 | S97 not S95 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/04 17:33 |
| S100 | 1 | "6885043" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/05 12:26 |
| S101 | 30 | ("4161662" "4197555" "4568961" "4642487" "4682201" "4745084" "4748494" "4851892" "4870302" "4873459" "4875971" "4943841" "5016080" "5023701" "5049969" "5073729" "5084404" "5087589" "5172014" "5206184" "5309015" "5338970" "5404033" "5506162" "5565758" "5619062" "5679967" "5847420" "5861641" "RE34363").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/04/05 12:26 |
| S102 | 0 | ("6885043").URPN. | USPAT | OR | ON | 2006/04/05 12:32 |
| S104 | 6 | ((first or lower or bottom) adj3 layer) same (local\$3 adj3 (return\$3 or ground\$3)) | USPAT | OR | ON | 2006/04/05 12:35 |
| S105 | 26 | ((first or lower or bottom) adj3 layer) same (local\$3 adj3 rout\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/05 12:38 |
| S106 | 56 | ((second or upper or top) adj3 layer) same (global\$3 adj3 rout\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/05 12:38 |
| S107 | 5 | S105 and S106 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/04/05 12:38 |
| S114 | 64 | ("5068603").URPN. | USPAT | OR | ON | 2006/06/05 16:08 |
| S115 | 9021 | 257/486,508,558,e21.021,e21.199,e21.202,e21.59,e21.627, e21.641,e23.59,e23.068,e23.142,e23.001,e23.005,e23.019, e23.142,e23.143,e23.145,e23.151,e23.168,e23.17,e23.175. ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:09 |
| S116 | 323 | 365/185.13.cccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:09 |
| S117 | 634 | (S115 S116) and signal and ground and power and wir\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:09 |
| S118 | 40 | S117 and global\$5 and local\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:09 |
| S119 | 40 | S118 and (layer\$3 or pattern\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:10 |

EAST Search History

| | | | | | | |
|----------|------|--|---|----|----|------------------|
| S12 0 | 581 | (S117 not S118) and (layer\$3 or pattern\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:11 |
| S12 1 | 295 | S120 and (local or internal\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:11 |
| S12 2 | 221 | S121 and (global\$4 or external\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:12 |
| S12 3 | 211 | S122 and layer | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:13 |
| S12 4 | 144 | S122 and ((second or upper or lower or top or bottom) adj2 layer) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:36 |
| S12 5 | 54 | S124 and (signal with wir\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:16 |
| S12 6 | 2 | ("RE36813").URPN. | USPAT | OR | ON | 2006/06/05 16:28 |
| S12 7 | 57 | S124 not S125 | USPAT | OR | ON | 2006/06/05 16:28 |
| S12 8 | 3758 | 257/758.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:41 |
| S12 9 | 0 | ((second adj set) with (signal near2 wir\$3)) and parallel and (second adj2 pattern) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:43 |
| S13 0 | 60 | ((second adj set) with (signal near2 wir\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:46 |
| S13 1 | 60 | S130 not S124 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:44 |
| S13 2 | 18 | S131 and pattern\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:44 |
| S13 3 | 7 | ((second adj set) with (signal near2 wir\$3)).clm. | US-PGPUB | OR | ON | 2006/06/05 16:47 |
| S13 4 | 410 | h01l23/48.ipc. | US-PGPUB | OR | ON | 2006/08/30 14:59 |
| S13 5 | 83 | h01l29/06.ipc. | US-PGPUB | OR | ON | 2006/08/30 14:59 |

EAST Search History

| | | | | | | |
|----------|-------|---|---|----|----|------------------|
| S13 6 | 241 | 257/202.ccls. | US-PGPUB | OR | ON | 2006/06/05 16:54 |
| S13 7 | 903 | 257/202.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 16:54 |
| S13 8 | 29 | "6184477" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/06/05 19:04 |
| S13 9 | 13 | ("4047132" "4313026" "4814945" "4916259" "5191174" "5315069" "5714718" "5838549" "5856636" "6040985" "6103977" "6184477" "6191475").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/05 19:15 |
| S14 0 | 8 | ("6329604").URPN. | USPAT | OR | ON | 2006/06/05 19:16 |
| S14 1 | 14 | ("4849284" "5191174" "5293502" "5714718" "5719750" "5774340" "5838549" "5856636" "6006428" "6184477" "6191475" "6229095" "6256850" "6329604").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/05 19:18 |
| S14 2 | 7 | ("4675789" "4859806" "4899439" "5397861" "5519176" "5633479" "5912809").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/05 19:21 |
| S14 3 | 26 | ("6184477").URPN. | USPAT | OR | ON | 2006/06/05 19:22 |
| S14 4 | 8 | ("6329604").URPN. | USPAT | OR | ON | 2006/06/05 19:24 |
| S14 5 | 19374 | ((signal data input) near2 (wir\$3 layer pattern\$3 film conduct\$4 connect\$4)) same parallel) and (ground\$3 return\$4) and (multi\$4 or plural\$4) and (semiconduct\$3 \$4silicon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:12 |
| S14 6 | 2316 | S145 and (four\$3 near3 ((signal data input) near2 (wir\$3 line layer pattern\$3 film conduct\$4 connect\$4))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 18:26 |
| S14 7 | 896 | S146 and ((signal data input) near2 (wir\$3 line layer pattern\$3 film conduct\$4 connect\$4) same parallel same (ground\$3 return\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:13 |
| S14 8 | 755 | S147 and (@ad<"20030627" or @rlad<"20030627") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 18:23 |
| S14 9 | 607 | S148 and ((signal data input) near2 (layer pattern\$3 film level)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 18:25 |
| S15 0 | 580 | S149 and (four\$3 near3 ((signal data input) near2 (wir\$3 line conduct\$4 connect\$4))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:09 |

EAST Search History

| | | | | | | |
|----------|-------|--|--|----|----|------------------|
| S15 1 | 106 | S150 and (((signal data input) near2 (wir\$3 line layer pattern\$3 film conduct\$4 connect\$4)) same (dielectric insulat\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 18:51 |
| S15 2 | 373 | (S150 not S151) and ((wir\$3 line layer pattern\$3 film conduct\$4 connect\$4) with (config\$4 or configural\$4 distribut\$3 arrang\$3 arrangment)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 18:55 |
| S15 3 | 361 | S152 and (power supply Vcc Vdd "V.sub.cc" "V.sub.dd") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:07 |
| S15 4 | 475 | (((signal data input) near2 (wir\$3 line layer pattern\$3 film conduct\$4 connect\$4)) same parallel) and (ground\$3 return\$4) and (multi\$4 or plural\$4) and (semiconduct\$3 \$4silicon)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:08 |
| S15 5 | 154 | S154 and ((signal data input) near2 (wir\$3 line layer pattern\$3 film conduct\$4 connect\$4) same parallel same (ground\$3 return\$4)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:08 |
| S15 6 | 11 | S155 and (four\$3 near3 ((signal data input) near2 (wir\$3 line conduct\$4 connect\$4))).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:11 |
| S15 7 | 12890 | 257/202,207,211,486,508,758,e21.021,e21.199,e21.202,e21.59,e21.627,e21.641,e23.068,e23.141,e23.001,e23.005,e23.019,e23.142.ccis. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:12 |
| S15 8 | 239 | S157 and (((signal data input) near2 (wir\$3 line layer pattern\$3 film conduct\$4 connect\$4)) same parallel) and (ground\$3 return\$4) and (multi\$4 or plural\$4) and (semiconduct\$3 \$4silicon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:12 |
| S15 9 | 85 | S158 and ((signal data input) near2 (wir\$3 line layer pattern\$3 film conduct\$4 connect\$4) same parallel same (ground\$3 return\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:13 |
| S16 0 | 80 | S159 not (S151 S153 S156) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:19 |
| S16 1 | 925 | 257/202.ccis. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:20 |

EAST Search History

| | | | | | | |
|----------|------|-------------------|---|----|----|------------------|
| S16 2 | 960 | 257/207.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:24 |
| S16 3 | 3870 | 257/758.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:21 |
| S16 4 | 7 | ("5517042").URPN. | USPAT | OR | ON | 2006/08/24 19:31 |
| S16 5 | 1051 | 257/208.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/24 19:37 |
| S16 6 | 122 | H01L27/10.ipc. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/30 15:01 |
| S16 7 | 2 | "20020074611" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/30 16:40 |